

SYSTEM AND METHOD FOR REMOTELY DEBUGGING APPLICATION PROGRAMS

ABSTRACT OF THE DISCLOSURE

5 A method, system, and apparatus for debugging an application program from a
workstation that is remote from a server on which the application program resides
includes invoking the application program from the workstation via a network interface;
displaying a user frame at the workstation that includes information generated by the
application program; providing a debug view option at the workstation for generating a
10 debug frame of the application program; and displaying the debug frame at the
workstation when the debug view option is selected. A user can select options to switch
between the user frame and the debug frame. The debug frame includes information
about one or more components of the application program such as a list of the variables or
objects, and the fields, methods, and/or the constructors associated with them. When the
15 debug view option is selected, the information for the user frame is saved, and can be
restored to regenerate the information on the user frame when the user view option is
selected. The developer can view internal, public, and private code associated with the
application program without compromising the security of other application programs on
the server. This ability to remotely debug application programs in accordance with the
20 present invention is thus more time and cost efficient than previous methods, and also
alleviates concerns about security and unauthorized access to the server.

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